BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: BYATARAYANAPURA

***Name of Work**: Modified Estimate for Construction of Balance Work Compound Wall, DG Room, Office Room Parking area and Toilet at Samudhaya Bhavana Hegdenara (near Dry Waste Collection Centre) in Ward No. 06, Byatarayanapura Sub Division.*

JOB CODE:

Estimated Cost: Rs. 57.30 Lakhs
Executed Amount: Rs. 57.25 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE
YALAHANKA ZONE

Name of work: Modified Estimate for Construction of Balance Work Compound Wall, DG Room, Office Room Parking area and Toilet at Samudhaya Bhavana Hegdenara (near Dry Waste Collection Centre) in Ward No. 06, Byatarayanapura Sub Division.

							Estimate Cost Rs.		5725709.00
Sl No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**	**Rate**	**Amount**
1	KSRRB M300-53: Construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) **MORTH specification No. 305, No. 147 / Item No. 19.60 / PWD SR 2015-16**	Cum							
	inside of Samudhaya Bhavana		1	13.70	13.00	1.50	267.15		
	Sides		1	17.30	2.00	1.50	51.90		
			1	11.20	2.20	1.50	36.96		
	DWCC Front Side Road		1	9.00	15.50	1.50	209.25		
			1	11.50	5.50	1.10	69.58		
	Deduction		1	8.65	7.95	1.50	-103.15		
			1	4.50	4.50	1.50	-30.38		
			1	7.90	5.10	1.50	-60.44		
							440.87	220.32	**97133.00**
	Basic Rate	204.00							
	Area Weightage @ 6%	16.32							
	Total	**220.32**							
2	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m. In depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods complete as per specifications. Specification. No. KBS 2.1(b) / 2.3.5 **PWD SR 2013-14 Page Nol. 5/ Item No.2.4**	Cum							
	For Columns		20	1.50	1.50	1.50	67.50		
	For Compoun Wall Columns		36	1.00	1.00	1.50	54.00		
	Building Centre Line		1	83.85	1.00	1.00	83.85		
	Pit		1	2.00	2.00	3.50	14.00		
	DWCC Pit		1	2.50	2.50	2.00	12.50		
							231.85	283.02	**65618.00**
	Basic Rate	267.00							
	Area Weightage @ 6%	16.02							
	Total	**283.02**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix M7.5 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **Page No. 12 / Item No. 4.3 / PWD SR 2015-16**	Cum							
	For Columns		20	1.50	1.50	0.15	6.75		
	For Compoun Wall Columns		36	1.00	1.00	0.15	5.40		
	Building Centre Line		1	83.85	1.00	0.15	12.58		
	Pit		1	2.00	2.00	0.15	0.60		
	DWCC Pit		1	2.50	2.50	0.15	0.94		
	Flooring Room		1	3.90	3.60	0.15	2.11		
			1	3.75	3.60	0.15	2.03		
			1	5.10	3.60	0.15	2.75		
			3	2.05	2.00	0.15	1.85		
			1	5.30	3.60	0.15	2.86		
			1	4.75	4.75	0.15	3.38		
	DWCC Front Side		1	9.00	15.50	0.15	20.93		
	DWCC inside		1	18.30	3.80	0.15	10.43		
	Culverts		4	9.15	2.00	0.15	10.98		
			2	9.15	1.00	0.15	2.75		
	Steps		1	3.30	1.10	0.15	0.54		
	Deduction		1	8.65	7.95	0.15	-10.32		
			1	4.50	4.50	0.15	-3.04		
			1	7.90	5.10	0.15	-6.04		
							67.47	4976.70	**335782.00**
	Basic Rate	4695.00							
	Area Weightage @ 6%	281.70							
	Total	**4976.70**							
4	KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammered dressed in courses not less than 20 cms high, bond stones, at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **PWD SR 2013-14 (Page No. 25 / Item No. 5.6**	Cum							
	Building Centre Line		1	83.85	0.90	0.90	67.92		
			1	83.85	0.75	0.75	47.17		
	DWCC Compoun Wall		1	24.15	0.90	0.60	13.04		
			1	5.30	0.90	0.60	2.86		
	Culverts		4x2	9.15	0.90	0.60	39.53		
	Steps		1	3.30	1.10	0.40	11.62		
	Total Qty						**182.13**		
	Qty upto 125%						**177.75**	3910.34	**695063.00**
	Qty above 125%						**4.38**	3910.34	**17127.00**
	Basic Rate	3689.00							
	Area Weightage @ 6%	221.34							
	Total	**3910.34**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement** with **cement mortar 1:6**, edges of stone chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specification. KBS 5.1.13 **(P.26/I.5.9) PWD SR 2013-14**	Cum							
	Building Centre Line		1	83.85	0.45	0.45	16.98		
			1	83.85	0.45	0.45	16.98		
	DWCC Compoun Wall		1	24.15	0.45	0.45	4.89		
			1	5.30	0.45	0.45	1.07		
	Culverts		4x2	9.15	0.45	0.45	14.82		
	Kannda Flag		1	1.50	1.50	0.20	3.60		
							58.35	4814.52	**280907.00**
	Basic Rate	4542.00							
	Area Weightage @ 6%	272.52							
	Total	**4814.52**							
6	KSRB-3.2 : Providing and injecting chemical emulsion for Preconstructional anti-termite treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulisifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one precent concentration, labour, HOM of equipments, complete as specifications.(Plinth area of building at ground floor only shall be measured) specification. No. KBS : 3.2.6 / 3.2.7 , **No. 09/ Item No. 3.2 / PWD SR 2015-16**	Sqm							
	Alround Area		1	65.00	15.20		988.00		
	Column Footing		24	2.60	3.00		187.20		
			20	2.00	2.00		80.00		
			36	1.00	1.00		36.00		
	Total Qty						**1291.20**		
	Qty upto 125%						**753.75**	108.12	**81495.00**
	Qty above 125%						**537.45**	108.12	**58109.00**
	Basic Rate	102.00							
	Area Weightage @ 6%	6.12							
	Total	**108.12**							
7	KSRB 15.1.3: Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. **Page No. 96/ Item No. 15.3 / PWD SR 2015-16**	Sqm							
	Building Centre Line		1	83.85		0.90	75.47		
			1	83.85		0.75	62.89		
	DWCC Compoun Wall		1	24.15		0.60	14.49		
			1	5.30		0.60	3.18		
	Culverts		4x2	9.15		0.60	43.92		
	Kannda Flag		1	1.50		0.20	0.30		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							200.24	97.52	**19528.00**
	Basic Rate	92.00							
	Area Weightage @ 6%	5.52							
	Total	**97.52**							
8	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. **Page No. 24/ Item No. 5.27/ PWD SR 2010-11**	Sqm							
			1	83.85		3.50	293.48		
	Toilert Wal		3	2.00		3.50	21.00		
	Parapet wall		1	83.85		1.00	83.85		
							398.33		
	Dedction for Doos		5	0.90		2.10	9.45		
			2	0.75		2.10	3.15		
	Windows		3	1.20		1.50	5.40		
	Ventilators		6	0.60		0.60	2.16		
							-20.16		
							378.17	999.58	**378006.00**
	Basic Rate	943.00							
	Area Weightage @ 6%	56.58							
	Total	**999.58**							
9	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. **Page No. 18 / Item No. 4.48 / PWD SR 2015-16**	Cum							
	For Columns Footing		20	1.50	1.50	0.90	40.50		
	For Compoun Wall Columns		36	1.00	1.00	0.60	21.60		
	For Columns Raising		20	0.20	0.45	5.50	9.90		
	For Compoun Wall Columns		36	0.20	0.45	3.20	10.37		
	Plinth Beam		1	83.85	0.30	0.45	11.32		
	Lintel		1	83.85	0.20	0.20	3.35		
	Tie Beam		1	83.85	0.20	0.45	7.55		
	Roof Slab		1	25.25	4.85	0.15	18.37		
	Flooring Concrete						**122.96**		
	DWCC Front Side		1	9.00	15.50	0.15	20.93		
	DWCC inside		1	18.30	3.80	0.15	10.43		
	Culverts		4	9.15	2.00	0.23	16.84		
	Steps		1	3.30	1.10	0.15	0.54		
	Ramp		2	9.50	1.00	0.15	2.85		
	Deduction		1	8.65	7.95	0.15	-10.32		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1	4.50	4.50	0.15	-3.04		
			1	7.90	5.10	0.15	-6.04		
							32.19		
	Total Qty						**155.15**		
	Qty upto 125%						**91.13**	6345.16	**578234.00**
	Qty above 125%						**64.03**	6345.16	**406281.00**
	Basic Rate	5986.00							
	Area Weightage @ 6%	359.16							
	Total	**6345.16**							
10	KSRB 4.2.10 : Providing and laying in position **reinforced cement concrete of design mix M20** with OPC cement @ 24kgs, with 12 mm and down size graded granite metal coarse aggregates @ 0.5175 cum and fine aggregates @ 0.345 cum with superplastisiser @ 0.225lts,machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor lever, including cost of all materials, labour, HOM of machinery, curing, complete as per specification. Specification NO. KBS 4.1, 4.6 **Page No. 14 / Item No. 4.19 / PWD SR 2015-16**	Sqm							
	Chejjas		1	25.25	0.60		15.15		
	Total Qty						**15.15**		
	Qty upto 125%						**10.95**	461.10	**5049.00**
	Qty above 125%						**4.20**	461.10	**1937.00**
	Basic Rate	435.00							
	Area Weightage @ 6%	26.10							
	Total	**461.10**							
11	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **TMT Bars FE 500 Page No. 17 / Item No. 4.46.2 / PWD SR 2015-16**	Tonne							
			0.125	122.96			15.37		
			0.100	15.15			1.52		
	Total Qty						**16.88**		
	Qty upto 125%						**12.49**	58229.25	**727283.00**
	Qty above 125%						**4.39**	58229.25	**255626.00**
	Basic Rate	54933.25							
	Area Weightage @ 6%	3296.00							
	Total	**58229.25**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
12	KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to **ceiling** including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 113 / Item No. 15.21 / PWD SR -2015-16**	Sqm							
	Rooms		1	3.90	3.60		14.04		
			1	3.75	3.60		13.50		
			1	5.10	3.60		18.36		
			3	2.00	2.00		12.00		
			1	5.30	3.60		19.08		
			1	25.25	0.60		15.15		
							92.13	193.98	**17871.00**
	Basic Rate	183.00							
	Area Weightage @ 6%	10.98							
	Total	**193.98**							
13	KSRB 15-3.11 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 113 / Item No. 15.19 / PWD SR 2015-16**	Sqm							
	Rooms		16	3.60		3.50	201.60		
			2	3.90		3.50	27.30		
			2	3.75		3.50	26.25		
			2	5.10		3.50	35.70		
	Toilet Wall		6	2.00		3.50	42.00		
			2	5.30		3.50	37.10		
							369.95		
	Dedction for Doos		0.5x5	0.90		2.10	4.73		
			0.5x2	0.75		2.10	1.58		
	Windows		0.5x3	1.20		1.50	2.70		
	Ventilators		0.5x6	0.60		0.60	1.08		
							-10.08		
							359.87	235.32	**84685.00**
	Basic Rate	222.00							
	Area Weightage @ 6%	13.32							
	Total	**235.32**							
14	KSRB 15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. **(P. 114 / I. 15.33 PWD SR - 2015-16**	Sqm							
			Qty Vide Item No. 14+15				**452.00**	25.44	**11499.00**
	Basic Rate	24.00							
	Area Weightage @ 6%	1.44							
	Total	**25.44**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
15	KSRB 15-3.8:- Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 113 / Item No. 15.15 / PWD SR 2015-16**	Sqm							
	First Floor Out Side		2	25.25		5.70	287.85		
			2	3.95		5.70	45.03		
							332.88		
	Dedction for Doos		0.5x5	0.90		2.10	4.73		
			0.5x2	0.75		2.10	1.58		
	Windows		0.5x3	1.20		1.50	2.70		
	Ventilators		0.5x6	0.60		0.60	1.08		
							-10.08		
							322.80	199.28	**64328.00**
	Basic Rate	188.00							
	Area Weightage @ 6%	11.28							
	Total	**199.28**							
16	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and **removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm** including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 15 / Item No. 4.18 / PWD SR 2015-16**	Sqm							
	Plinth Beam		2	83.85		0.45	75.47		
	Lintel		2	83.85		0.20	33.54		
	Tie Beam		2	83.85		0.45	75.47		
	Rooms		1	3.90	3.60		14.04		
			1	3.75	3.60		13.50		
			1	5.10	3.60		18.36		
			3	2.00	2.00		12.00		
			1	5.30	3.60		19.08		
	Total Qty						**261.45**		
	Qty upto 125%						**175.50**	572.40	**100456.00**
	Qty above 125%						**85.95**	572.40	**49198.00**
	Basic Rate	540.00							
	Area Weightage @ 6%	32.40							
	Total	**572.40**							
17	KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 16 / Item No. 4.37/ PWD SR 2015-16**	Sqm							
	W		1	25.25	0.60		15.15		
							15.15	278.78	**4224.00**
	Basic Rate	263.00							
	Area Weightage @ 6%	15.78							
	Total	**278.78**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
18	KSRB 4-6.1 : Providing and **removing centering, shuttering, strutting, propping etc.,** and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications.Specification NO. KBS 4.6.2 **Page No. 15 / Item No. 4.28 / PWD SR 2015-16**	Sqm							
	Columns Footing		20	6.00		0.90	108.00		
			36	4.00		0.90	129.60		
	Columns		20	1.30		5.50	143.00		
	Staircase Waist Slab		36	1.30		3.20	149.76		
	Total Qty						**530.36**		
	Qty upto 125%						**216.50**	239.56	**51865.00**
	Qty above 125%						**313.86**	239.56	**75188.00**
	Basic Rate	226.00							
	Area Weightage @ 6%	13.56							
	Total	**239.56**							
19	Supply and fixing pressed steel door frames size 125x65 mm manufacture from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and sutters made out of seasoned honne wood, styles of 30mm, thick with lock rail of 160mm, width, top and side rails of 100mm, width width and bottom rails of 250 mm width and panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be not proof, vermin proof, heat resistant guaranteed against shrinkage, warpage and such other defects for a period of 3 years, this shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting wit enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc, complete the hollow portion of the frame to be filled with cement concrete1:2:4. **Page No. 45 / Item No. 7.26 / PWD SR**	Sqm							
			2	0.90		2.10	3.78		
			1	4.00		3.00	12.00		
	Ventilators		8	0.60		0.60	2.88		
			2	3.20		1.50	9.60		
							28.26	3710.00	**104845.00**
	Basic Rate	3500.00							
	Area Weightage @ 6%	210.00							
	Total	**3710.00**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
20	Supplying and fixing pressed steel window frame of size 100x50mm manufacture from 1.25 mm thick carbon steel or imported steel strips with neat mitred joints at 900degree for window openings and shall be suitable to fix M.S grills as per design and drawings using 12mm dia roads at 100mm centre to centre horizontally and two members of M.S flats of 6mmx40mm size at 150mm apart, welded into a frame of 6mmx40mm size M.S flats with 16mm size lugs, and 8nos, of 100mm size hinger, 4nos of butt stay pins and 4nos, tower bolts and shutters half paneled and half glazed with shutters made out of seasoned honne wood, styles of 30mm thick and 100 mm width and rails of 30mm thick and 100 mm width and using 4mm thick pin headed glass and panel, filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof vermin proof, heat resistant guaranteed against shrinkage, warp age and such other defects for a period of 3 years, this shall be as per approved drawin	Sqm							
	W		2	0.90		0.60	1.08		
							1.08	3945.32	**4261.00**
	Basic Rate	3722.00							
	Area Weightage @ 6%	223.32							
	Total	**3945.32**							
21	Providing & fixing factory made PVC Door frame of size 50x47 mm with a wall thickness of 5mm, made out of extruded 7mm rigid PVC foam sheet metered cut at corners & jointed 2No.s of 150mm long brackets of 15x15 mm M.S. Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size complete as per manufactures specification & direction of Engineer-in charge **Page No. 52/ Item No. 9.84/ PWD SR 2010-11 SOLID PVC DOOR FRAME**	Sqm							
			6	0.90		2.10	11.34		
							11.34	552.26	**6263.00**
22	SOLID PANEL PVC DOOR SHUTTER Providing and fixing 30 mm thick factorily made rigid foam panelled door shutters made from M.S Tuvbe of 19 gauge thickeness size 19x19 mm tro styles and 15x15mm for top and bottom rails, coverted with heat moulded PVC channel of 5 mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rails & bottom rail panelling of 5 mm thick 20mm wide PVC sheet fittled in te M.S Frame sealed to the styless & rails with 5 x 30mm PVC sheet beading on ewither sides & joined together with solvent cement adhesive etc., complete as per manufactures specification & direction of Engineer - in charge fixed to frames with 3 nos, of 75mm Aluminium hinges **Page No. 52 / Item No. 8.83 / PWD 2010-11**	Sqm							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			6	0.90		2.10	11.34		
							11.34	3365.50	**38165.00**
23	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foregin matter including preparing the surface even and sand paper smooth, cost of materials, labours, complete as per specifications **PWD SR 2015-16 Page No. 115 / Item No. 15.49**	Sqm							
			Qty Vide Item No.15				452.00		
							452.00	69.96	**31622.00**
	Basic Rate	66.00							
	Area Weightage @ 6%	3.96							
	Total	**69.96**							
24	KSRB 15-16.1: providing and finishing external walls in tow coats with water proof cement paint of approve brand and shade to give an even shade after thourghly brooming the surface to remove all dirt and losse powdered material, free from mortar dops and other foreign matter cost of materials, labours, complete as per specifications **PWD SR 2015-16 (P.117 / I.15.53.2) with Primer**	Cum							
			Qty Vide Item No.16				322.80		
							322.80	83.74	**27031.00**
	Basic Rate	79.00							
	Area Weightage @ 6%	4.74							
	Total	**83.74**							
25	KSRB 14.14.2: Providing colour glazed tiles of size 10mm thick for flooring, treads of steps and landing, laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing using white cement with matching colour pigment, including cost of materials, labour, complete as per specifications. Specification No. KBS 14.15.2. **Page No. 115 / Item No. 14.33 / PWD SR 2015-16**	Sqm							
			6	2.00	2.00		24.00		
			2	4.00	2.00		16.00		
							40.00	1504.14	**60166.00**
	Basic Rate	1419.00							
	Area Weightage @ 6%	85.14							
	Total	**1504.14**							
26	KSRB 14.17.2: Providing skirting, dado, rises of steps with Colour glazed tiles 15x15cms 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface white should be measured and paid separately) using glazed tiles of approved make and size of materials, labour, complete as per specifications. Specification No. KBS 14.17. **Page No. 116 / Item No. 14.41.1 / PWD SR 2015-16**	Sqm							
	Toilets		8	5.40		3.20	138.24		
							138.24	1037.74	**143457.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	979.00							
	Area Weightage @ 6%	58.74							
	Total	**1037.74**							
27	KSRB 8.6-7 : Providing and fixing on wall surface 4.0kg/sq.cm H.D.P.E rain down water pipes 90mm outer dia approved make and brand with necessary specials like shoes bends and offsets fixed with iron clamps, walls plugs, screws, including cost of materials, labour, complete as per specifications. **Page No. 47 / Item No. 8.18 / PWD SR 2015-16**	m							
			10	4.00			40.00		
							40.00	451.56	**18062.00**
	Basic Rate	426.00							
	Area Weightage @ 6%	25.56							
	Total	**451.56**							
28	KSRB 11.11.1 : Providing and fixing white vitreous china clay, flat back wash basin of size 630x450mm with pair of 15mm C.P brass pillar taps with C.I./M.S. brackets, 32mm C.P. brass waste of standard pattern, painting of fitting and brackets ,cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. **Page No. 81 / Item No. 12.23 PWD SR 2011-12**	Unit							
			5				**5.00**	3931.54	**19658.00**
29	KSRB 11-1 : Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm S or P trap, 10 litre low level, P. V. C. flushing cistern (all are approved make) with fittings, C.I. / M.S. brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labours complete as per specifications. Specification No. KBS 11 **Page No. 74 / Item No. 12.1 PWD SR 2014-15**	Pan							
			2				**2.00**	5279.86	**10560.00**
30	KSRB 13-9.1: Providing and fixing to wall, ceiling and floor, high-density polyethylene pipes 6.00KGF/sq.cm. working pressure 32mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling an floor including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No. 13.2.15.1 / 13.9 **Page No. 82/ Item No. 13.71 / PWD SR 2009-10**	M							
			1	100.00			100.00		
							100.00	193.98	**19398.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
31	KSRB 13-1.1 : Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 15mm dia nominal bore with fittings (medium grade weight 1.27 kg/mtr) B class including cost of all materials, labour, charges HOM of equipments and testing complete as per specifications. Specification No. KBS 13.2.14 / 13.8 **Page No. 79/ Item No. 13.1 / PWD SR 2010-11**	m							
			1	50.00			50.00		
							50.00	366.76	**18338.00**
32	KSRB 13-6.3.1: Providing and fixing in position brass gate valve with C.I. wheel of approved quality (screwed end) 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6 / 13.3 **Page No. 79/ Item No. 13.32 / PWD SR 2010-11**	Each							
			2				2.00		
							2.00	1007.00	**2014.00**
33	KSRB 13-6.6.1: Providing and fixing unplasticised PVC connection pipe with brass union 15mm nominal bore 300 mm length of PVC connection including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. **Page No. 80/ Item No. 13.46 / PWD SR 2009-10**	Set							
			15				15.00		
							15.00	890.40	**13356.00**
34	KSRB 13-6.1.1: Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification NO. KBS 13.2.2 / 13.3 **Page No. 94/ Item No. 13.23 / PWD SR 2011-12**	Each							
			40				40.00		
							40.00	192.44	**7698.00**
35	Supppying water storage tanks made of virgin polymer (LLDPE) with two layers outer black of blue and inner white layer of approved quality and make, conforming to ISI / ISO / SSI specifications, **No. 268/ Item No. 37.58 PWD SR 2011-12**	L							
			1000				1000.00		
							1000.00	6.36	**6360.00**
	ELECTRICAL AND FITTINGS								
36	**Groove Cutting :** Supplying ... dia 2mm/2.5mm thick heavy gauage PVC Conduit Pipe with bends metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary **KPWD SR 2010-11 (P-2,1-3)**	Mtrs							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	19/20 mm dia 2mm thick		1	150.00			150.00		
							150.00	43.00	**6450.00**
37	25 mm dia 2mm thick		1	75.00			75.00		
							75.00	53.00	**3975.00**
38	Supplying and flush mounting teak wooden box with out front plank made of not less than 12mm thick wood after due groove cutting necessary masonry patch work complete. **KPWD SR 2010-11 (P-3, I-6)**	Each							
	10"X7"X3" (300X228X76mm)		4				**4**	68.00	**272.00**
39	8"X6"X3" (300X228X76mm)		4				**4**	52.00	**208.00**
40	Supplying and fixing PVC/metal conduit accessories special type Junction Box **(I. 5/P. 3) KPWD SR 2010-11**	Each							
	32 mm Junction Box		20				**20**	29.00	**580.00**
41	Deep 32 mm Junction Box		25				**25**	33.00	**825.00**
42	Fan Box 18 /SWG		15				**15**	57.00	**855.00**
43	Point Wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit / casing caping using Copper PVC insulated multi strand 2x1.5 Sqmm copper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet gang box the other end of the wires shall be terminated with sufficient loose length in a wood PVC round block complete for each outlet **KPWD SR 2010-11 (P.3/I.8)**	Each							
	Point Wiring using Class A Materials								
	a) Short point upto 3Mtr from tapping point to out let via switch		5				**5.00**	175.00	**875.00**
44	b) Medium point above 3mtr upto 6mtr from tapping point to out let via switch		12				**12.00**	260.00	**3120.00**
45	C) Long point above 6mtrs upto 10mtrs from tapping point to outlet via switch		16				**16.00**	368.00	**5888.00**
46	Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plate **KPWD SR 2010-11 (P.8/I.18)**	Each							
	1-3 Way		10				**10**	90.00	**900.00**
47	4-5Way		3				**3**	100.00	**300.00**
48	6Way		7				**7**	175.00	**1225.00**
49	8 Way		5				**5**	195.00	**975.00**
50	10-12Way		5				**5**	210.00	**1050.00**
51	Supplying and fixing superior quality modula switch mounting polyorbonate plate with cecessary supporting back plate with required nos. of machines screwes, bolts nuts etc., complete on the existing metal/PVC box **KPWD (P-7, I-17) 2010-11**	Each							
	1 to 3 Modular		10				**10**	82.00	**820.00**
52	4 Modular		5				**5**	100.00	**500.00**
53	6 Modular		7				**7**	125.00	**875.00**
54	8 Modular		4				**4**	175.00	**700.00**
55	12 Modular		5				**5**	230.00	**1150.00**
56	Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plate **KPWD SR 2010-11 (P.8/I.18)**	Each							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	6Amps one way.		50				**50**	96.00	**4800.00**
57	6Amps 3way Socket.		20				**20**	165.00	**3300.00**
58	Stepped Fan Regulator		7				**7**	530.00	**3710.00**
59	16 Amps one way switch		7				**7**	132.00	**924.00**
60	6Amps Bell push		2				**2**	115.00	**230.00**
61	6/16 Amps univesla Socket		7				**7**	205.00	**1435.00**
62	TV / Telephone Socket		4				**4**	115.00	**460.00**
63	Rj45/IO Oulet		4				**4**	525.00	**2100.00**
64	Wiring for lighting power curcuit using one of PVC insluated 1100v grade multistrand copper conductor single core cable in open or concealed system of wiring **P-9, i-20 KPWD SR 2010-11**	Mtrs							
	1.5 Sqmm		150				**150**	150.00	**22500.00**
65	2.5 Sqmm		1900				**1900**	25.00	**47500.00**
66	4 Sqmm		1900				**1900**	32.00	**60800.00**
67	6 Sqmm		75				**75**	52.00	**3900.00**
68	Supplying an fixing one of 230 volts PBBC bakelite staight or slant batten holder and wiring with in 60w/230 Volts lamps **KPWD SR 2010-11 (P-13, I.2)**	No							
			12				**12**	60.00	**720.00**
69	Extra for supplying 4mm thick white plastic plate and convering for juncrtion boxese or size 80mm conduit using necessary machine screws **KPWD SR 2010-11 (P-10, I-26)**	No							
	8mm		12				**12**	6.48	**78.00**
70	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulatoirs etc and fixing on existing wooden or metal box using NF screws **KPWD SR 2010-11 (P-11, I-29)**	Sqcm							
			2500				**2500**	0.22	**550.00**
71	Supply patty type fluorescent tube light fitting of 4' - 36/40 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast, starter, locking, locking type brass contact holder mounted on double fold type sheet base fully wired for used on 230 Volts A C Supply including fluouresecent tube **KPWD SR 2010-11 (P.16/I.2)**	Each							
	Group 'A'		15				**15**	675.00	**10125.00**
72	Supplying of Incandescent lamps KPWD SR **2010-11 (P.44/I.22)**								
	B.C. 100Watts		15				**15**	14.00	**210.00**
73	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system KPWD SR 2007-08 (P-23, I-23) Regulator Model (Khaitan, Crompton Geaves, Orient, Polar, Bajaj, Usha, Havells, Almonard **(p.23 / I.23 .II) KPWD SR 2010-11**	Each							
	Regular Model		4				**4**	1800.00	**7200.00**
74	Supplying wall mounting fan suitable to operat		2				**2**	2400.00	**4800.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
75	Supplying and fixing superior quality modula switch mounting polyorbonate plate with necessary supporting back plate with required nos. of machines screwes, bolts nuts etc., complete on the existing metal/PVC box **KPWD SR 2010-11 (P-7, I-17)**	Each							
	1 to 3 Modular		4				**4**	82.00	**328.00**
76	8 Modular		8				**8**	175.00	**1400.00**
77	Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plate **KPWD SR 2010-11 (P.8/I.18)**	Each							
	6Amps one way.		4				**4**	96.00	**384.00**
78	6Amps 3way Socket.		3				**3**	165.00	**495.00**
79	Supplying and fixing 32Amps security and energy savings DP switch with key tag suitable to operate on 230 Volts 50Hz AC supply & completely wired on existing box **KPWD SR 2010-11 (P.9/I.19)**	Each							
	Group A		2				**2**	630.00	**1260.00**
80	Supplying an fixing one of 230 volts PBBC bakelite staight or slant batten holder and wiring with in 60w/230 Volts lamps **KPWD SR 2010-11 (P-13, I.2)**	No							
			2				**2**	60.00	**120.00**
81	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required **5-32 Amps SP KPWD SR 2010-11 (P.34/I.13)**	Each							
			2				**2**	560.00	**1120.00**
82	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc **KPWD SR 2010-11 (P,32/I.2)**								
	20"x20"x2.5"		2				**2**	285.00	**570.00**
83	Supplying and fixing of porcelain fuse channel with cut out on existing wooden /panel using necessary nuts, bolts and washers etc complete **KPWD SR 2010-11 (P.30/I.3)**								
	32 Amps		2				**2**	100.00	**200.00**
84	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class.**P No. 68/ I No. 4(d) 4 core 16 Sqmm KPWD Electrical SR 2010-11**	Mtr							
			1	50.00			**50.00**	215.00	**10750.00**
85	Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical SR-1999-2000, **P No. 69 / I No. Ia In existing trencg/duct 6Sqmm to 16 Sqmm) KPWD Electrical SR 2010-11**	Mtr							
			1	50.00			**50.00**	11.00	**550.00**
86	Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc., complete (as per Civil SR KSRB **1-2 P-7) P No. 70/ I. No. 6-c KPWD Electrical SR 2010-11**	Mtr							
	For Cutting Road Surface		1	25.00			**25.00**	40.00	**1000.00**
87			1	10.00			**10.00**	60.00	**600.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
88	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class **P. No. 70/ I No.9-A KPWD Electrical SR 2010-11**	Mtr							
	40mm dia GI pipe		1	5.00			**5.00**	240.00	**1200.00**
89	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., **P. No. 70/ I No. 10-b KPWD Electrical SR 2010-11**	No.							
	16Sqmm		1				**1.00**	286.00	**286.00**
90	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, (PWD Electrical SR-1999-2000, **(P No.68, I No. 1) KPWD Electrical SR 2010-11**	No							
			2				**2**	3000.00	**6000.00**
91	Supplying and drawing UTP-CAT -E LAN calve (49/31)	Nos							
			230				**230**	35.00	**8050.00**
92	1HP Submercible centrifugal force pump of approved make with all necessary fittings including wiring switch board, starter etc., and Electronic Automatic Equipment (Programmable Logic Control)	LRQ							
			1				**1.00**	18000.00	**18000.00**
	Sub Total								**5252944.00**
	KRIDL Charges @ 8%								**420236.00**
	Third party Inspection Charge @ 1%								**52529.00**
							Total		**5725709.00**
	Rupees Fifty Seven Lakh(s) Twenty Five Thousand Seven Hundred Nine Only								

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2015-16.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 06

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Modified Estimate Sanc... for ₹ 5725709.00

CER NO ... dt. 08.02.18

TA I CE (YNK)